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CLAIMS:

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- 1. An ancient defense polymer having antimicrobial activity, said polymer comprising one or more discrete hydrophobic segments and one or more hydrophilic segments containing cationic functionality.
 - 2. An ancient defense polymer according to claim 1, in which said hydrophobic segment comprises:
 - 1) polymerized hydrophobic chain growth monomers;
- 10 2) polymerized step-growth monomers; or
 - 3) hydrophobic (di)functional oligomers or polymers.
 - 3. An ancient defense polymer according to claim 1 or 2, in which said hydrophilic segment comprises:
- 15 1) polymerized cationic chain growth monomers;
 - 2) a polymer made from a mixture of cationic chain growth monomers and (i) uncharged monomers that are hydrophilic or (ii) hydrophobic monomers; or
 - 3) cationic (di)functional oligomers or polymers.
- 4. The ancient defense polymer of claim 1, 2, or 3, wherein said hydrophobic segment comprises polymerized hydrophobic alkyl methacrylates, aryl methacrylates, alkyl methacrylamides, or aryl methacrylamides.
 - 5. The ancient defense polymer of any one of claims 1 to 4, wherein said hydrophilic segment comprises polymerized methacrylates and/or methacrylamides.
 - 6. The ancient defense polymer according to claim 1 comprising a copolymer of 3-aminopropyl methacrylamide (AMA,) and poly(propylene oxide)monomethacrylate (PPO-ME).

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7. The ancient defense polymer according to claim 6 wherein AMA is present in an amount of from 5 to 50 mol%.

- 5 8. The ancient defense polymer according to claim 6, wherein AMA is present in an amount of about 10 mol%.
 - 9. The ancient defense polymer according to claim 1, comprising a terpolymer of 3-aminopropyl methacrylamide (AMA,), poly(propylene oxide)monomethacrylate (PPO-ME), and methyl methacrylate.

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10. The ancient defense polymer according to claim 1, comprising a terpolymer of 3-aminopropyl methacrylamide (AMA), poly(propylene oxide)monomethacrylate (PPO-ME), and n-butyl methacrylate.

11. The ancient defense polymer according to any one of claims 1 to 10, that has a grafted chain architecture, comprising a main chain and chains grafted onto the main chain.

- 12. The ancient defense polymer of claim 11, wherein the main chain contains hydrophilic segments and the grafts contain the hydrophobic segments.
 - 13. The ancient defense polymer of any one of claims 1 to 10, wherein the hydrophilic and/or the hydrophobic segments are attached either directly or indirectly to a derivatizable polymer.

14. The ancient defense polymer according to claim 13, wherein at least one of said hydrophobic segments or said hydrophilic segments is attached to the derivatizable polymer by a spacer group.

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15. The ancient defense polymer according to claim 13, wherein said hydrophobic segment and said hydrophilic segment are attached to the derivatizable polymer by a spacer group.

- The ancient defense polymer according to claim 13, wherein at least one of said hydrophobic segments and said hydrophilic segments is grafted onto said derivatizable polymer.
- 17. The ancient defense polymer according to claim 13, wherein said hydrophobic segment is grafted onto said hydrophilic segment.
 - 18. The ancient defense polymer of any one of claims 13 to 16, wherein the derivatizable polymer comprises polymerized chain growth monomers containing reactive functional groups.

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- 19. The ancient defense polymer of claim 18, wherein said functional groups are one or more of the groups selected hydroxyl, carboxylic acid, amine, vinyl, acid chloride, and isocyanate.
- 20. An apparatus comprising the ancient defense polymer of any one of claims 1 to 19 bound in or attached to a surface of said apparatus to impart antimicrobial activity to said apparatus.
- 21. The apparatus of claim 20, wherein said apparatus is selected from the group consisting of an implant, a catheter, a replacement valve, a wound dressing, a medical device, and a stent.
 - 22. The ancient defense polymer of claim 10, made from 1-15 mol% BMA, 5-49 mol% AMA, and 50-90 mol% PPO-Me.